

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1-17. (Cancelled)

18. (New) System for regulating a heat balance of a vehicle, said vehicle comprising:

- a passenger compartment,
- an engine, said engine comprising a cylinder head,
- a coolant circuit for dissipating heat generated in said engine, said coolant circuit comprising: at least one coolant pump for circulating a coolant through said coolant circuit, a cooling circuit for cooling said coolant in a cooler by ambient air and a heating circuit for heating said passenger compartment with said coolant,
- at least one component, which produces waste heat,
- means for transferring said waste heat from said at least one component to said coolant in said coolant circuit,
- said coolant pump for pumping said coolant directly into said cylinder head and then into said heating circuit during engine warm-up.

19. (New) System according to claim 1, wherein said engine is not entirely integrated into said coolant circuit, but predominantly areas of said engine which are producing waste heat.

20. (New) System according to claim 1, wherein said at least one component producing waste heat is a heat exchanger (20) of an air conditioner of said vehicle.

21. (New) System according to claim 3, comprising a bypass line (44) for bypassing said heat exchanger (20).

22. (New) System according to claim 1, wherein said heating circuit comprises an auxiliary heating device for transferring waste heat of said heating device to said coolant in said heating circuit.

23. (New) System according to claim 1, said vehicle comprising:

- a main coolant pump and a supplementary coolant pump,

wherein said coolant pump for pumping said coolant directly into said cylinder head and then into said heating circuit during engine warm-up is said supplementary coolant pump.

24. (New) Method for regulating a heat balance of a vehicle, said vehicle comprising:

- a passenger compartment,
- an engine, said engine comprising a cylinder head,
- a coolant circuit for dissipating heat generated in said engine, said coolant circuit

comprising: at least one coolant pump for circulating a coolant through said coolant circuit, a cooling circuit for cooling said coolant in a cooler by ambient air and a heating circuit for heating said passenger compartment with said coolant,

- at least one component, which produces waste heat,

wherein said waste heat from said at least one component is transferred to said coolant in said coolant circuit, and

wherein during engine warm-up said coolant in said coolant circuit is pumped directly into said cylinder head and then into said heating circuit.

25. (New) Method according to claim 7, said vehicle further comprising:

- a main coolant pump and a supplementary coolant pump,

wherein during engine warm-up said coolant in said coolant circuit is pumped by said supplementary coolant pump directly into said cylinder head and then into said heating circuit, in particular in the case of said main coolant pump being inactive.